

Work Order ID 149083

Tuesday, July 19, 2016 2:44:53 PM

149083

Page 1

Item ID: D4716-3 Accept *N900040100* Setup Start *NS1*

Revision ID: Stop *NS2*

Item Name: Duct Hose

Start Date: 7/5/2016 Start Qty: 6.00 *6* Cust Item ID:

Required Date: 7/19/2016 Req'd Qty: 6.00 *6* Customer:

Reference:

Approvals: Process Plan: DAS 21 Date: JUL 20 2016 Tooling: _____ Date: _____ Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4716	A								

100 0.00

100

Purchasing

Purchasing

Memo

Issue P/O:

MANUFACTURE AS PER DWG D4716

Supplier: CUSTOM DUCTS

Certificate of conformity is required

0.00

6x 1607-2

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

0.02

6x 8p16-f-f

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause <table style="width:100%; border: none;"> <tr> <td style="border: none;">Environment ☐</td> <td style="border: none;">No Re-verification ☐</td> <td style="border: none;">Pressure/Forced ☐</td> <td style="border: none;">Temperature/Cure ☐</td> <td style="border: none;">Power Loss/Surge ☐</td> <td style="border: none;">Positioned Wrong ☐</td> </tr> <tr> <td style="border: none;">Design ☐</td> <td style="border: none;">Operator ☐</td> <td style="border: none;">Bending ☐</td> <td style="border: none;">Set-up ☐</td> <td style="border: none;">Folio/Program ☐</td> <td style="border: none;">Outside Dimensions ☐</td> </tr> <tr> <td style="border: none;">Doc/Data ☐</td> <td style="border: none;">Offset/Setup ☐</td> <td style="border: none;">Centre Not Concentric ☐</td> <td style="border: none;">BOM/Route ☐</td> <td style="border: none;">Grain ☐</td> <td style="border: none;">Over/Under tolerance ☐</td> </tr> <tr> <td style="border: none;">Equip/Tooling ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;">Cracks ☐</td> <td style="border: none;">Broken/Damage/Defect ☐</td> <td style="border: none;">Weld ☐</td> <td style="border: none;">Part Incorrect ☐</td> </tr> <tr> <td style="border: none;">Handling/Pre ☐</td> <td style="border: none;">Training ☐</td> <td style="border: none;">Crimp/Kink/Ripple/Wave ☐</td> <td style="border: none;">Inspection Incomplete/Unqualified ☐</td> <td style="border: none;">Wrong Stock Pulled ☐</td> <td style="border: none;">Part Lost/Missing ☐</td> </tr> <tr> <td style="border: none;">Material ☐</td> <td style="border: none;">Use for Testing ☐</td> <td style="border: none;">Cuffs ☐</td> <td style="border: none;">Contamination ☐</td> <td style="border: none;">Out of Sequence ☐</td> <td style="border: none;">Part Moved ☐</td> </tr> <tr> <td style="border: none;">Internal Transport ☐</td> <td style="border: none;">Poor Information ☐</td> <td style="border: none;">Crushing ☐</td> <td style="border: none;">Countersink ☐</td> <td style="border: none;">Off-set ☐</td> <td style="border: none;">Drawing ☐</td> </tr> <tr> <td style="border: none;">Tribal Knowledge ☐</td> <td style="border: none;">Rushing ☐</td> <td style="border: none;">Heat Treat ☐</td> <td style="border: none;">Cut Too Short ☐</td> <td style="border: none;">Mislabeled ☐</td> <td style="border: none;">Finish ☐</td> </tr> <tr> <td style="border: none;">LOA ☐</td> <td style="border: none;">Product Improvement ☐</td> <td style="border: none;">Wave/Twist in Tube ☐</td> <td style="border: none;">Instructions Incomplete/Unclear ☐</td> <td style="border: none;">Fit/Function ☐</td> <td style="border: none;">Misread ☐</td> </tr> <tr> <td style="border: none;">Substation ☐</td> <td style="border: none;">Process Improvement ☐</td> <td style="border: none;">Marks/Chatter ☐</td> <td style="border: none;">Drill Holes ☐</td> <td style="border: none;">Misaligned/off center ☐</td> <td style="border: none;">Turning Sequence ☐</td> </tr> <tr> <td style="border: none;">Past Expiry Date ☐</td> <td style="border: none;">Manufacturing Process ☐</td> <td colspan="4"></td> </tr> <tr> <td style="border: none;">Misidentified ☐</td> <td style="border: none;">Past Due ☐</td> <td colspan="4"></td> </tr> </table>				Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐					Misidentified ☐	Past Due ☐					FAULT CATEGORY <table style="width:100%; 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Work Order ID 149083

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Page 2

Item ID: D4716-3 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Duct Hose
 Start Date: 7/5/2016 Start Qty: 6.00 ***6*** Cust Item ID:
 Required Date: 7/19/2016 Req'd Qty: 6.00 ***6*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- Inspect dimensions to drawing	0.00							DAS 36 9-89
120									
QC	Memo	0.00							
Quality Control									AUG 09 2016
130	Identify as per dwg & Stock Location: <u>St 22 1A</u>	0.00							
130									
Packaging	Memo	0.01							
Packaging									6 DAS 6 9-89 AUG 15 2016
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.10							
Quality Control									DAS 21 9-89 AUG 16 2016

DAS
21
9-89
AUG 16 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			OTHER : ☐																	

Picklist Print

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Work Order ID: 149083

149083

Parent Item: D4716-3

D4716-3

Parent Item Name: Duct Hose

Start Date: 7/5/2016

Required Date: 7/19/2016

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP REV:A 12.11.08 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4716-3P		Purchased	No			110	Each	0.0000	1	6			
D4716-3P									**				
Duct Hose													

6x. SP 16-8-8.

DQA: _____ Date: _____



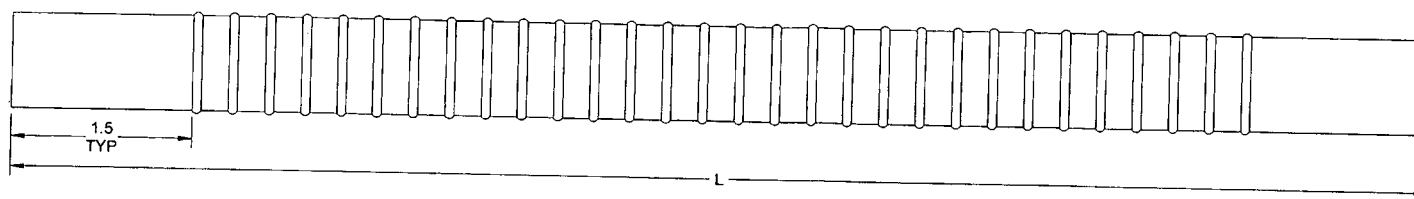
WORK ORDER NON-CONFORMANCE / UPDATE

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OTHER :																																																																									

SPECIFICATION CONTROL DRAWING



DART PART NUMBER	DESCRIPTION	POSSIBLE VENDOR	VENDOR PART NUMBER	MATERIAL	ID	L	WEIGHT (lb)
D4716-1	DUCT HOSE	CUSTOM DUCTS	SCEET	SILICONE RUBBER	0.75	24.0	0.2
D4716-3	DUCT HOSE	CUSTOM DUCTS	SCEET	SILICONE RUBBER	0.75	28.0	0.2
D4716-5	DUCT HOSE	CUSTOM DUCTS	SCEET	SILICONE RUBBER	0.75	41.0	0.3

D4716-X DUCT HOSE

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 149083 MJS
160720

NOTES:

- 1) MATERIAL: PER TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: PER TABLE

A		NEW ISSUE		RF	12.07.25
REV.	DESCRIPTION			BY	DATE
DESIGN	RF	DART AEROSPACE LTD		REV. A	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA		SHEET 1 OF 1	
CHECKED	<i>[Signature]</i>	DRAWING NO.		SCALE	
MFG. APPR.	<i>[Signature]</i>	D4716		NTS	
APPROVED	<i>[Signature]</i>	TITLE		DATE	
DE APPR.	<i>[Signature]</i>	DUCT HOSE		12.07.25	
COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.					

RELEASED
2012-11-05
[Signature]



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO33109

Purchase Order Date 7/21/2016 7:41:40 AM

PO Print Date 7/21/2016

Page Number 1 of 2

Order From :

VU-CD001

CUSTOM DUCT
179 BEAVER BERRY ROAD

LIMINGTON, MAINE 04049

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 207-637-3000

Ship To Contact

Ship To Phone

Ship Via: FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D4716-1P AS PER DWG D4716 REV. A B149067	Duct Hose	7/29/2016 Yes 7/29/2016		4.00 Each	\$30.00	\$120.00
Line Total:							\$120.00
2	D4716-3P AS PER DWG D47126 REV. A B149083	Duct Hose ✓	7/29/2016 Yes 7/29/2016		6.00 Each	\$34.00	\$204.00
Line Total:							\$204.00
3	D4716-5P AS PER DWG D4716 REV. A B149143	Duct Hose	7/29/2016 Yes 7/29/2016		8.00 Each	\$38.00	\$304.00

Note:

7/21/2016

This invoice must be completed in English

COMMERCIAL INVOICE

EXPORTER : Tax ID# : Contact Name : Jonathan Kinney Telephone No. : 2076373000 E-Mail : kinney@pivot.net Company Name/Address : Custom Duct 179 Beaver Berry Rd Limington ME 04049 Country : United States Parties to Transaction: ☐ Related ☐ Non-Related Payment Terms : Purpose of Shipment : Commercial	Ship Date : 05 Aug, 2016 Air Waybill No. / Tracking No. / Bill of Lading : 776927544269 Invoice No. : Purchase Order No. :																
CONSIGNEE : Tax ID# : 10127-2607 Contact Name : Chantal Lavoie Telephone No. : 6136321053 E-Mail : Company Name/Address : Dart Aerospace LTD 1270 Aberdeen HAWKESBURY ON K6A1K7 Country : Canada	SOLD TO (if different from Consignee) : ☒ Same as CONSIGNEE : Tax ID# : Company Name/Address : Country :																
If there is a designated broker for this shipment, please provide contact information Name of Broker Tel No. Contact Name Duties and Taxes Payable by ☐ Exporter ☒ Consignee ☐ Other If Other, please specify																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">No. of Packages</th> <th style="width: 10%;">No. of Units</th> <th style="width: 10%;">Unit of Measure</th> <th style="width: 40%;">Description of Goods</th> <th style="width: 15%;">Harmonized Tariff Number</th> <th style="width: 10%;">Country of Origin</th> <th style="width: 15%;">Unit Value</th> <th style="width: 10%;">Total Value</th> </tr> </thead> <tbody> <tr> <td></td> <td>18.00</td> <td>EA</td> <td>Commercial - Silicone Duct hose</td> <td>391731</td> <td>US</td> <td>34.888889</td> <td>628.00</td> </tr> </tbody> </table>		No. of Packages	No. of Units	Unit of Measure	Description of Goods	Harmonized Tariff Number	Country of Origin	Unit Value	Total Value		18.00	EA	Commercial - Silicone Duct hose	391731	US	34.888889	628.00
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	18.00	EA	Commercial - Silicone Duct hose	391731	US	34.888889	628.00										
Total No. of Packages : 1 Total Weight (Indicate LBS or KGS) : 6.00 lbs						Terms of Sale : FCA											
Special Instructions : Declaration Statement(s) : These commodities, technology, or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to United States law is prohibited. I declare that all the information contained in this invoice to be true and correct						Subtotal :	628.00										
						Insurance :	0.00										
						Freight :	0.00										
						Packing :	0.00										
						Handling :	0.00										
Originator or Name of Company Representative if the invoice is being completed on behalf of a company or individual :						Other :	0.00										
						Invoice Total :	628.00										
Signature / Title / Date <i>Jonathan Kinney</i> OWNER						Currency Code :	USD										
05 Aug, 2016																	

Custom Duct

179 Beaver Berry Rd
Limington, ME 04049
PH 1 800 863 2620

Invoice

Date	Invoice #
8/5/2016	1983

Bill To
Dart Aerospace 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Ship To
Dart Aerospace 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Project
PO33109	Net 30		8/5/2016	Federal Express		
Quantity	Item Code	Description			Price Each	Amount
4	SCEET	Double Wall SCEET 3 X 24" Your D4716-1P			30.00	120.00
6	SCEET	Double Wall SCEET 3 X 28" Your D4716-3P ✓			34.00	204.00
8	SCEET	Double Wall SCEET 3 X 41" Your D4716-5P			38.00	304.00
	Ship	Shipping Charge Collect as per PO			0.00	0.00
Spl 6-8-8						
Phone #		Fax #		E-mail		Total
207 637 3000		207 637 3000		kipney@fairpoint.net		
						\$628.00

Garth Kimney

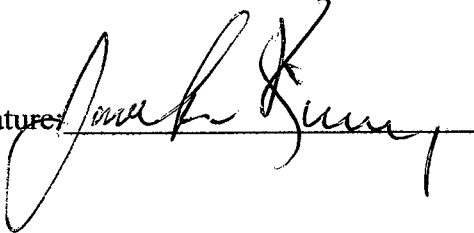
Custom Duct
179 Beaver Berry Rd.
Limington, ME 04049

CERTIFICATE OF CONFORMANCE

Customer Name: Dart Aerospace Ltd. Purchase Order No: PO33109

4 EACH SCEET 3 X 24" Your D4716-1P WITH CUFFS
✓ 6 EACH SCEET 3 X 28" Your D4716-3P WITH CUFFS
8 EACH SCEET 3 X 41" Your D4716-5P WITH CUFFS

This is to certify that the products, systems and/or services listed here-in have been manufactured, inspected and tested in accordance with Custom Duct and industry standards. It is further certified that the items listed here-on are in compliance with the provisions of your purchase order/ work order listed above. Inspection and test records and material certifications are on file and available upon request.

Signature: 

Date: 5 August 2016